

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/534,788A
Source: PCT
Date Processed by STIC: 06/06/2006

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: <u>10/534,788 A</u>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 _____ Wrapped Nucleics _____ Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 _____ Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 _____ Misaligned Amino _____ Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters , instead.	
4 _____ Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 _____ Variable Length	Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 _____ PatentIn 2.0 _____ "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 _____ Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 _____ Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If intentional , please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 _____ Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa , and which residue n or Xaa represents.	
10 _____ Invalid <213> _____ Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence. (see item 11 below)	
11 _____ Use of <220>	Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section or use "chemically synthesized" as explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of Sequence Rules	
12 _____ PatentIn 2.0 _____ "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 _____ Misuse of n/Xaa	<u>"n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid</u>	



PCT

RAW SEQUENCE LISTING

DATE: 06/06/2006

PATENT APPLICATION: US/10/534,788A

TIME: 10:58:58

Input Set : F:\VOSS007.txt

Output Set: N:\CRF4\06062006\J534788A.raw

3 <110> APPLICANT: BAUERLE, PATRICK
 4 HOFFMANN, PATRICK
 5 WEINBERGER, SUSANNE
 6 KISCHEL, ROMAN
 8 <120> TITLE OF INVENTION: METHOD FOR IDENTIFYING ANTIGEN SPECIFIC B CELLS
 10 <130> FILE REFERENCE: VOSS:007US
 12 <140> CURRENT APPLICATION NUMBER: 10/534,788A
 13 <141> CURRENT FILING DATE: 2005-05-13
 15 <150> PRIOR APPLICATION NUMBER: PCT/EP2003/012664
 16 <151> PRIOR FILING DATE: 2003-11-12
 18 <160> NUMBER OF SEQ ID NOS: 89
 20 <170> SOFTWARE: PatentIn version 3.1
 22 <210> SEQ ID NO: 1
 23 <211> LENGTH: 21
 24 <212> TYPE: DNA
 25 <213> ORGANISM: artificial sequence
 27 <220> FEATURE:
 28 <223> OTHER INFORMATION: mus musculus primer
 30 <400> SEQUENCE: 1
 31 accttcaaca ccccagccat g
 34 <210> SEQ ID NO: 2
 35 <211> LENGTH: 23
 36 <212> TYPE: DNA
 37 <213> ORGANISM: artificial sequence
 39 <220> FEATURE:
 40 <223> OTHER INFORMATION: mus musculus primer
 42 <400> SEQUENCE: 2
 43 gctcggtcag gatcttcag agg
 46 <210> SEQ ID NO: 3
 47 <211> LENGTH: 20
 48 <212> TYPE: DNA
 49 <213> ORGANISM: artificial sequence
 51 <220> FEATURE:
 52 <223> OTHER INFORMATION: mus musculus primer
 54 <400> SEQUENCE: 3
 55 gctacacatt cagtagcttc
 58 <210> SEQ ID NO: 4
 59 <211> LENGTH: 20
 60 <212> TYPE: DNA
 61 <213> ORGANISM: artificial sequence
 63 <220> FEATURE:
 64 <223> OTHER INFORMATION: mus musculus primer
 66 <400> SEQUENCE: 4

Does Not Comply
 Corrected Diskette Needed
 CP 8.2, 6

21

23

20

RAW SEQUENCE LISTING

DATE: 06/06/2006

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TIME: 10:58:58

Input Set : F:\VOSS007.txt

Output Set: N:\CRF4\06062006\J534788A.raw

67 gtatggcatg tttaccatcg 20
70 <210> SEQ ID NO: 5
71 <211> LENGTH: 20
72 <212> TYPE: DNA
73 <213> ORGANISM: artificial sequence
75 <220> FEATURE:
76 <223> OTHER INFORMATION: mus musculus primer
78 <400> SEQUENCE: 5
79 tcagtagctt ctggatagag 20
82 <210> SEQ ID NO: 6
83 <211> LENGTH: 26
84 <212> TYPE: DNA
C--> 85 <213> ORGANISM: artificial primer → Pls correct as Artificial Sequence.
87 <220> FEATURE:
88 <223> OTHER INFORMATION: mus musculus primer
90 <400> SEQUENCE: 6
91 gtatggcatg tttaccatcg tattac 26
94 <210> SEQ ID NO: 7
95 <211> LENGTH: 20
96 <212> TYPE: DNA
97 <213> ORGANISM: artificial sequence
99 <220> FEATURE:
100 <223> OTHER INFORMATION: mus musculus primer
102 <400> SEQUENCE: 7
103 gttacaattt ctccgacaag 20
106 <210> SEQ ID NO: 8
107 <211> LENGTH: 20
108 <212> TYPE: DNA
109 <213> ORGANISM: artificial sequence
111 <220> FEATURE:
112 <223> OTHER INFORMATION: mus musculus primer
114 <400> SEQUENCE: 8
115 gtcgcaggcg gaataatcac 20
118 <210> SEQ ID NO: 9
119 <211> LENGTH: 20
120 <212> TYPE: DNA
121 <213> ORGANISM: artificial sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: mus musculus primer
126 <400> SEQUENCE: 9
127 tctccgacaa gtggattcac 20
130 <210> SEQ ID NO: 10
131 <211> LENGTH: 20
132 <212> TYPE: DNA
133 <213> ORGANISM: artificial sequence
135 <220> FEATURE:
136 <223> OTHER INFORMATION: mus musculus primer
138 <400> SEQUENCE: 10
139 gcaggcggaa taatcacccg 20

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TIME: 10:58:58

Input Set : F:\VOSS007.txt

Output Set: N:\CRF4\06062006\J534788A.raw

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142 <210> SEQ ID NO: 11
143 <211> LENGTH: 21
144 <212> TYPE: DNA
145 <213> ORGANISM: artificial sequence
147 <220> FEATURE:
148 <223> OTHER INFORMATION: homo sapiens primer
150 <400> SEQUENCE: 11
151 tggcagatga gcttggactt g 21
154 <210> SEQ ID NO: 12
155 <211> LENGTH: 21
156 <212> TYPE: DNA
157 <213> ORGANISM: artificial sequence
159 <220> FEATURE:
160 <223> OTHER INFORMATION: homo sapiens primer
162 <400> SEQUENCE: 12
163 acactctccc ctgttgaagc t 21
166 <210> SEQ ID NO: 13
167 <211> LENGTH: 20
168 <212> TYPE: DNA
169 <213> ORGANISM: artificial sequence
171 <220> FEATURE:
172 <223> OTHER INFORMATION: homo sapiens primer
174 <400> SEQUENCE: 13
175 gtgctccctt catgcgtgac 20
178 <210> SEQ ID NO: 14
179 <211> LENGTH: 21
180 <212> TYPE: DNA
181 <213> ORGANISM: artificial sequence
183 <220> FEATURE:
184 <223> OTHER INFORMATION: homo sapiens primer
186 <400> SEQUENCE: 14
187 actcgtcata ctctgcttg c 21
190 <210> SEQ ID NO: 15
191 <211> LENGTH: 24
192 <212> TYPE: DNA
193 <213> ORGANISM: artificial sequence
195 <220> FEATURE:
196 <223> OTHER INFORMATION: homo sapiens primer
198 <400> SEQUENCE: 15
199 tggaagaggc acgttctttt cttt 24
202 <210> SEQ ID NO: 16
203 <211> LENGTH: 20
204 <212> TYPE: DNA
205 <213> ORGANISM: artificial sequence
207 <220> FEATURE:
208 <223> OTHER INFORMATION: homo sapiens primer
210 <400> SEQUENCE: 16
211 agttaccgga ttggagggcg 20
214 <210> SEQ ID NO: 17

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RAW SEQUENCE LISTING

DATE: 06/06/2006

PATENT APPLICATION: US/10/534,788A

TIME: 10:58:58

Input Set : F:\VOSS007.txt

Output Set: N:\CRF4\06062006\J534788A.raw

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215 <211> LENGTH: 19
216 <212> TYPE: DNA
217 <213> ORGANISM: artificial sequence
219 <220> FEATURE:
220 <223> OTHER INFORMATION: homo sapiens primer
222 <400> SEQUENCE: 17
223 ccttccaggc cactgtcac                                     19
226 <210> SEQ ID NO: 18
227 <211> LENGTH: 20
228 <212> TYPE: DNA
229 <213> ORGANISM: artificial sequence
231 <220> FEATURE:
232 <223> OTHER INFORMATION: homo sapiens primer
234 <400> SEQUENCE: 18
235 gtggggcgcc ccaggcacca                                     20
238 <210> SEQ ID NO: 19
239 <211> LENGTH: 23
240 <212> TYPE: DNA
241 <213> ORGANISM: artificial sequence
243 <220> FEATURE:
244 <223> OTHER INFORMATION: homo sapiens primer
246 <400> SEQUENCE: 19
247 gatggaggcg gcgatccaca cgg                                     23
250 <210> SEQ ID NO: 20
251 <211> LENGTH: 23
252 <212> TYPE: DNA
253 <213> ORGANISM: artificial sequence
255 <220> FEATURE:
256 <223> OTHER INFORMATION: homo sapiens primer
258 <400> SEQUENCE: 20
259 cagrtgcagc tggtrcagtc tgg                                     23
262 <210> SEQ ID NO: 21
263 <211> LENGTH: 23
264 <212> TYPE: DNA
265 <213> ORGANISM: artificial sequence
267 <220> FEATURE:
268 <223> OTHER INFORMATION: homo sapiens primer
270 <400> SEQUENCE: 21
271 saggtccagc tggtrcagtc tgg                                     23
274 <210> SEQ ID NO: 22
275 <211> LENGTH: 23
276 <212> TYPE: DNA
277 <213> ORGANISM: artificial sequence
279 <220> FEATURE:
280 <223> OTHER INFORMATION: homo sapiens primer
282 <400> SEQUENCE: 22
283 caggtccagc ttgtacagtc tgg                                     23
286 <210> SEQ ID NO: 23
287 <211> LENGTH: 23

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RAW SEQUENCE LISTING

DATE: 06/06/2006

PATENT APPLICATION: US/10/534,788A

TIME: 10:58:58

Input Set : F:\VOSS007.txt

Output Set: N:\CRF4\06062006\J534788A.raw

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288 <212> TYPE: DNA
289 <213> ORGANISM: artificial sequence
291 <220> FEATURE:
292 <223> OTHER INFORMATION: homo sapiens primer
294 <400> SEQUENCE: 23
295 sagrtcacct tgaaggagtc tgg
298 <210> SEQ ID NO: 24
299 <211> LENGTH: 23
300 <212> TYPE: DNA
301 <213> ORGANISM: artificial sequence
303 <220> FEATURE:
304 <223> OTHER INFORMATION: homo sapiens primer
306 <400> SEQUENCE: 24
307 saggtgcagc tgggtggartc tgg
310 <210> SEQ ID NO: 25
311 <211> LENGTH: 23
312 <212> TYPE: DNA
313 <213> ORGANISM: artificial sequence
315 <220> FEATURE:
316 <223> OTHER INFORMATION: homo sapiens primer
318 <400> SEQUENCE: 25
319 gaggtgcagc tgktggagwc ygg
322 <210> SEQ ID NO: 26
323 <211> LENGTH: 23
324 <212> TYPE: DNA
325 <213> ORGANISM: artificial sequence
327 <220> FEATURE:
328 <223> OTHER INFORMATION: homo sapiens primer
330 <400> SEQUENCE: 26
331 cagctgcagc tacagcagtg ggg
334 <210> SEQ ID NO: 27
335 <211> LENGTH: 23
336 <212> TYPE: DNA
337 <213> ORGANISM: artificial sequence
339 <220> FEATURE:
340 <223> OTHER INFORMATION: homo sapiens primer
342 <400> SEQUENCE: 27
343 cagstgcagc tgcaggagtc sgg
346 <210> SEQ ID NO: 28
347 <211> LENGTH: 23
348 <212> TYPE: DNA
349 <213> ORGANISM: artificial sequence
351 <220> FEATURE:
352 <223> OTHER INFORMATION: homo sapiens primer
354 <400> SEQUENCE: 28
355 gargtgcagc tgggtgcagtc tgg
358 <210> SEQ ID NO: 29
359 <211> LENGTH: 23
360 <212> TYPE: DNA

```

<210> SEQ ID NO 56
<211> LENGTH: 31
<212> TYPE: DNA
<213> ORGANISM: artificial sequence
<220> FEATURE:
<223> OTHER INFORMATION: homo sapiens primer
<220> FEATURE:
<221> NAME/KEY: misc_feature
<222> LOCATION: (31)..(31)
<223> OTHER INFORMATION: n denotes a variable number of nucleotides which are
part of the
sequence of specific VL clones
<400> SEQUENCE: 56
ggagccgccg ccgccagaac caccaccacc n

'n' can Represent only
Single nucleotide
See Item

13

on

Error

31 Summary
Sheet.

The type of errors shown exist throughout
the Sequence Listing. Please check subsequent
sequences for similar errors.

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 06/06/2006
PATENT APPLICATION: US/10/534,788A TIME: 10:58:59

Input Set : F:\VOSS007.txt
Output Set: N:\CRF4\06062006\J534788A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:56; N Pos. 31

Seq#:57; N Pos. 34

VERIFICATION SUMMARY

DATE: 06/06/2006

PATENT APPLICATION: US/10/534,788A

TIME: 10:58:59

Input Set : F:\VOSS007.txt

Output Set: N:\CRF4\06062006\J534788A.raw

L:85 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:6
L:517 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:42
L:698 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56 after pos.:0
L:717 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57 after pos.:0